MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
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DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Sika Corporation
201 Polito Avenue
Lyndhurst, NJ 07071

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Sikalastic RoofPro 621 TC Systems over Concrete Decks.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews and revises NOA No. 11-1028.05 and consists of pages 1 through 11.
The submitted documentation was reviewed by Jorge L. Acebo.

MIAMI-DADE COUNTY APPROVED

ROOFING SYSTEM APPROVAL

Category:	Roofing
Sub-Category:	Liquid Applied Roof Systems
Deck Type:	Concrete
Material:	Polyurethane
Maximum Pressure:	-495 psf.

TRADE NAMES OF PRODUCTS MANUFACTURED OR LABELED BY APPLICANT:

Product	Dimensions	Test Specification	Product Description
Sikalastic 621 TC	5 gal.	ASTM D7311	A single component, moisture triggered; aliphatic polyurethane elastomeric coating Used as a UV stable top coat which is available in a variety of colors.
Sikalastic 601 BC	5 gal.	ASTM D7311	An elastomeric high-build single-pack polyurethane compound used as an embedment coat.
Reemat Premium	51" x 420' Roll	Proprietary	A random woven fiberglass reinforcement scrim which is capable of stretching within the membrane to accommodate a high degree of thermal and structural movement.
SikaFleece 120, SikaFleece 140, SikaFleece 170	48" x 150' Roll	Proprietary	A non-woven needle-punched polyester fleece which is capable of stretching within the membrane to accommodate a high degree of thermal and structural movement.
Sarnavap Self-Adhered Membrane	45" x 134' Roll	Proprietary	Self-adhesive vapor barrier
Sarnavap Self-Adhered Primer	5 gal.	Proprietary	Solvent-based primer
Sika Bonding Primer	5 gal. kit	Proprietary	Two-component water- based epoxy primer.
Sika Concrete Primer	11.5 liter kit	Proprietary	Two-component solvent-based polyurethane primer for cementitious substrates.
Sarnacol OM	Various	Proprietary	Two-component urethane low-rise foam adhesive for insulation and cover boards

APPROVED INSULATIONS:

TABLE 2

Product Name	Product Description	Manufacturer (With Current NOA)
AC Foam II	Polyisocyanurate foam insulation with fiber-reinforced organic facers	Atlas Roofing Corporation
H-Shield	Polyisocyanurate foam insulation with fiber-reinforced organic facers	Hunter Panels, LLC
Sarnatherm Insulation	Polyisocyanurate foam insulation	Sika Corporation
Sarnatherm(a) Insulation	Polyisocyanurate foam insulation	Sika Corporation
DensDeck Prime	Fire resistant treated gypsum board, glass mat facings on front and back.	Georgia-Pacific Gypsum LLC
SECUROCK Gypsum-Fiber Roof Board	Fire resistant treated gypsum-based board	United States Gypsum Corporation

APPROVED FASTENERS:

TABLE 3

Fastener Number	Product Name	Product Description	Dimensions	Manufacturer (With Current NOA)
1.	N/A	N/A	N/A	N/A

EVIDENCE SUBMITTED:

Test Agency	Test Identifier	Test Specification	Date
Factory Mutual Research Corp.	3049736	FM 4470	06/02/14
	3040555	FM 4470	08/30/10
	3046387	FM 4470	04/12/13
PRI Construction Materials Technologies LLC	LPI-003-02-01	ASTM D6083/D903	10/30/08
	LPI-004-02-01	ASTM D6083/D903	10/12/11
	LPI-048-02-01	Physical Properties	07/30/14
	LPI-048-02-02	ASTM D1970	07/30/14
	LPI-045-02-01	ASTM D7311	12/04/14

APPROVED ASSEMBLIES:

Deck Type 3I: Concrete, Insulated

Deck Description: 2500 psi or greater structural concrete

System Type A(1): One or more layers of insulation adhered with approved adhesive; subsequent membranes fully adhered.

All General and System Limitations apply.

Vapor Barrier: (Optional) All surfaces must be dry, smooth, free of depressions, voids and protrusions and clean and free of any non-compatible curing compounds, form release agents and other surface contaminants.

Deck shall be primed with Sarnavap Self-Adhered Primer at a rate of .5 gal./square (.20 L/m^2).

Apply one ply of Sarnavap Self-Adhered Membrane and roll with a 75 lb. steel roller to achieve full bond to substrate.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
AC Foam II, H-Shield, Sarnatherm, Sarnatherm(a) Minimum 1.5" Thick	**N/A**	**N/A**
Middle Insulation Layer (Optional)	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
AC Foam II, H-Shield, Sarnatherm, Sarnatherm(a) Minimum 1.5" Thick	**N/A**	**N/A**
Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime Roof Board, SECUROCK Gypsum-Fiber Roof Board Minimum ¼" Thick	**N/A**	**N/A**

Note: All Insulation layers shall be adhered with OMG Olybond 500 Adhesive or Sarnacol OM Adhesive at a rate of ¾-1" beads spaced 12" apart to the vapor barrier. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Primer: Top insulation is primed with Sika Concrete Primer or Sika Bonding Primer through roller method at a rate of 0.5 gal./square.

Base Coat: Apply an embedment coat of Sikalastic 601 BC or 621 TC at a rate of 3 gal./square (1.2 L/m^2) to the prepared area.

Ply Sheet: Reemat Premium is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.

Intermediate Coat: (Optional) An intermediate coat of Sikalastic 621 TC is applied at a rate of 2.5 gal./square (1.0 L/m^2).

Top Coat: A top coat of Sikalastic 621 TC is applied at a rate of 2.0 to 2.5 gal./square (0.82 – 1.0 L/m^2).

Maximum Design Pressure: -165 psf. (See General Limitation #9)

Deck Type 3I: Concrete, Insulated

Deck Description: 2500 psi or greater structural concrete

System Type A(2): One or more layers of insulation adhered with approved adhesive; subsequent membranes fully adhered.

All General and System Limitations apply.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
AC Foam II, H-Shield, Sarnatherm, Sarnatherm(a) Minimum 1.5" Thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime Roof Board, SECUROCK Gypsum-Fiber Roof Board Minimum ¼" Thick	**N/A**	**N/A**

Note: Insulation shall be adhered with OMG Olybond 500 Adhesive or Sarnacol OM Adhesive at a rate of ¾-1" beads spaced 12" apart to the vapor barrier. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Primer: Top insulation is primed with Sika Concrete Primer or Sika Bonding Primer through roller method at a rate of 0.5 gal./square.

Base Coat: Apply an embedment coat of Sikalastic 621 TC at a rate of 3 gal./square (1.2 L/m^2) to the prepared area.

Ply Sheet: SikaFleece 120 is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.

Top Coat: Immediately apply a top coat of Sikalastic 621 TC at a rate of 2 gal./square (0.8 L/m^2) to the ply sheet.

Maximum Design Pressure: -255 psf. (See General Limitation #9)

Deck Type 3I: Concrete, Insulated

Deck Description: 2500 psi or greater structural concrete

System Type A(3): One or more layers of insulation adhered with approved adhesive; subsequent membranes fully adhered.

All General and System Limitations apply.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
AC Foam II, H-Shield, Sarnatherm, Sarnatherm(a) Minimum 1.5" Thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime Roof Board, SECUROCK Gypsum-Fiber Roof Board Minimum ¼" Thick	**N/A**	**N/A**

Note: Insulation shall be adhered with OMG Olybond 500 Adhesive or Sarnacol OM Adhesive at a rate of ¾-1" beads spaced 12" apart to the vapor barrier. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Primer: Top insulation is primed with Sika Concrete Primer or Sika Bonding Primer through roller method at a rate of 0.5 gal./square.

Base Coat: Apply an embedment coat of Sikalastic 621 TC at a rate of 3.1 gal./square (1.3 L/m^2) to the prepared area.

Ply Sheet: SikaFleece 140 is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.

Top Coat: Immediately apply a top coat of Sikalastic 621 TC at a rate of 2.2 gal./square (0.9 L/m^2) to the ply sheet.

Maximum Design Pressure: -255 psf. (See General Limitation #9)

Deck Type 3I: Concrete, Insulated

Deck Description: 2500 psi or greater structural concrete

System Type A(4): One or more layers of insulation adhered with approved adhesive; subsequent membranes fully adhered.

All General and System Limitations apply.

Base Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
AC Foam II, H-Shield, Sarnatherm, Sarnatherm(a) Minimum 1.5" Thick	**N/A**	**N/A**

Top Insulation Layer	**Insulation Fasteners (Table 3)**	**Fastener Density/ft^2**
DensDeck Prime Roof Board, SECUROCK Gypsum-Fiber Roof Board Minimum ¼" Thick	**N/A**	**N/A**

Note: Insulation shall be adhered with OMG Olybond 500 Adhesive or Sarnacol OM Adhesive at a rate of ¾-1" beads spaced 12" apart to the vapor barrier. Please refer to Roofing Application Standard RAS 117 for insulation attachment. Insulation listed as base layer only shall be used only as base layers with a second layer of approved top layer insulation installed as the final membrane substrate.

Primer: Top insulation is primed with Sika Concrete Primer or Sika Bonding Primer through roller method at a rate of 0.5 gal./square.

Base Coat: Apply an embedment coat of Sikalastic 621 TC at a rate of 3.8 gal./square (1.6 L/m^2) to the prepared area.

Ply Sheet: SikaFleece 170 is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.

Top Coat: Immediately apply a top coat of Sikalastic 621 TC at a rate of 2.5 gal./square (1.0 L/m^2) to the ply sheet.

Maximum Design Pressure: -255 psf. (See General Limitation #9)

Deck Type 3: Concrete, Non-Insulated

Deck Description: 2500 psi or greater structural concrete

System Type F(1): Membrane adhered to primed substrate.

All General and System Limitations apply.

Primer: Deck is primed with Sika Bonding Primer through roller method at a rate of 0.3 gal./square.

Base Coat: Apply an embedment coat of Sikalastic 621 TC at a rate of 3 gal./square (1.2 L/m2) to the prepared area.

Ply Sheet: Reemat Premium is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.

Intermediate Coat: (Optional) An intermediate coat of Sikalastic 621 TC is applied at a rate of 2.0 to 2.5 gal./square (0.82 – 1.0 L/m^2).

Top Coat: A top coat of Sikalastic 621 TC is applied at a rate of 2.0 to 2.5 gal./square (0.82 – 1.0 L/m^2).

Maximum Design Pressure: -495 psf. (See General Limitation #9)

Deck Type 3: Concrete, Non-Insulated

Deck Description: 2500 psi or greater structural concrete

System Type F(2): Membrane adhered to primed substrate.

All General and System Limitations apply.

Primer: Deck primed with Sika Bonding Primer through roller method at a rate of 0.3 gal./square.

Base Coat: Apply an embedment coat of Sikalastic 601 BC at a rate of 2.5 gal./square (1.0 L/m2) to the prepared area.

Ply Sheet: Reemat Premium is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.

Top Coat: A top coat of Sikalastic 621 TC is applied at a rate of 2.0 to 2.5 gal./square (0.82 – 1.0 L/m^2).

Maximum Design Pressure: -367.5 psf. (See General Limitation #9)

Deck Type 3: Concrete, Non-Insulated

Deck Description: 2500 psi or greater structural concrete

System Type F(3): Membrane adhered to primed substrate.

All General and System Limitations apply.

Primer: Deck is primed with Sika Concrete Primer through roller method at a rate of 0.3 gal./square.

Base Coat: Apply an embedment coat of Sikalastic 621 TC at a rate of 3.0 gal./square (1.2 L/m2) to the prepared area.

Ply Sheet: SikaFleece 120 is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.

Top Coat: Immediately apply a top coat of Sikalastic 621 TC at a rate of 2.0 gal./square (0.8 L/m2)to the ply sheet.

Maximum Design Pressure: -495 psf. (See General Limitation #9)

Deck Type 3: Concrete, Non-Insulated

Deck Description: 2500 psi or greater structural concrete

System Type F(4): Membrane adhered to primed substrate.

All General and System Limitations apply.

Primer: Deck is primed with Sika Concrete Primer through roller method at a rate of 0.3 gal./square.

Base Coat: Apply an embedment coat of Sikalastic 621 TC at a rate of of 3.1 gal./square (1.3 L/m2) to the prepared area.

Ply Sheet: SikaFleece 140 is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.

Top Coat: Immediately apply a top coat of Sikalastic 621 TC at a rate of 2.2 gal./square (0.9 L/m2)to the ply sheet.

Maximum Design Pressure: -495 psf. (See General Limitation #9)

Deck Type 3:	Concrete, Non-Insulated
Deck Description:	2500 psi or greater structural concrete
System Type F(5):	Membrane adhered to primed substrate.

All General and System Limitations apply.

Primer:	Deck is primed with Sika Concrete Primer through roller method at a rate of 0.3 gal./square.
Base Coat:	Apply an embedment coat of Sikalastic 621 TC at a rate of of 3.8 gal./square (1.6 L/m2) to the prepared area.
Ply Sheet:	SikaFleece 170 is applied with minimum 3" wide side laps, directly into the wet embedment coat and rolled to ensure contact.
Top Coat:	Immediately apply a top coat of Sikalastic 621 TC at a rate of 2.5 gal./square square (1.0 L/m2) to the ply sheet.
Maximum Design Pressure:	-495 psf. (See General Limitation #9)

CONCRETE DECK SYSTEM LIMITATIONS:

1. If mechanical attachment to the structural deck through the lightweight insulating concrete is proposed, a field withdrawal resistance testing shall be performed to determine fastener patterns and density. All testing and fastening design shall be in compliance with Testing Application Standard TAS 105 and Roofing Application Standard RAS 117, calculations shall be signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant.

GENERAL LIMITATIONS:

1. Fire classification is not part of this acceptance, refer to a current Approved Roofing Materials Directory for fire ratings of this product.
2. Insulation may be installed in multiple layers. The first layer shall be attached in compliance with Product Control Approval guidelines. All other layers shall be adhered in a full mopping of approved asphalt applied within the EVT range and at a rate of 20-40 lbs./sq., or mechanically attached using the fastening pattern of the top layer.
3. All standard panel sizes are acceptable for mechanical attachment. When applied in approved asphalt and/or adhesives panel size shall be 4' x 4' maximum.
4. An overlay and/or recovery board insulation panel is required on all applications over closed cell foam insulations when the base sheet is fully mopped. If no recovery board is used the base sheet shall be applied using spot mopping with approved asphalt, 12" diameter circles, 24" o.c.; or strip mopped 8" ribbons in three rows, one at each sidelap and one down the center of the sheet allowing a continuous area of ventilation. Encircling of the strips is not acceptable. A 6" break shall be placed every 12' in each ribbon to allow cross ventilation. Asphalt application of either system shall be at a minimum rate of 12 lbs./sq.
   Note: Spot attached systems shall be limited to a maximum design pressure of -45 psf.
5. Fastener spacing for insulation attachment is based on a Minimum Characteristic Force (F') value of 275 lbf., as tested in compliance with Testing Application Standard TAS 105. If the fastener value, as field-tested, are below 275 lbf. insulation attachment shall not be acceptable.
6. Fastener spacing for mechanical attachment of anchor/base sheet or membrane attachment is based on a minimum fastener resistance value in conjunction with the maximum design value listed within a specific system. Should the fastener resistance be less than that required, as determined by the Building Official, a revised fastener spacing, prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant may be submitted. Said revised fastener spacing shall utilize the withdrawal resistance value taken from Testing Application Standards TAS 105 and calculations in compliance with Roofing Application Standard RAS 117.
7. Perimeter and corner areas shall comply with the enhanced uplift pressure requirements of these areas. Fastener densities shall be increased for both insulation and base sheet as calculated in compliance with Roofing Application Standard RAS 117. Calculations prepared, signed and sealed by a Florida registered Professional Engineer, Registered Architect, or Registered Roof Consultant
   (When this limitation is specifically referred within this NOA, General Limitation #9 will not be applicable.)
8. All attachment and sizing of perimeter nailers, metal profile, and/or flashing termination designs shall conform with Roofing Application Standard RAS 111 and applicable wind load requirements.
9. The maximum designed pressure limitation listed shall be applicable to all roof pressure zones (i.e. field, perimeters, and corners). Neither rational analysis, nor extrapolation shall be permitted for enhanced fastening at enhanced pressure zones (i.e. perimeters, extended corners and corners).
   (When this limitation is specifically referred within this NOA, General Limitation #7 will not be applicable.)
10. All products listed herein shall have a quality assurance audit in accordance with the Florida Building Code and Rule 61G20-3 of the Florida Administrative Code.

END OF THIS ACCEPTANCE